Special Issue

Mineralogical and Geochemical Characterization of Zn-Pb Ore Deposits: Insights into Their Genesis, Implications for Exploration, and Environmental Issues

Message from the Guest Editors

Our forthcoming Special Issue "Mineralogical and Geochemical Characterization of Zn-Pb Ore Deposits: Insights into their genesis, implications for exploration, and environmental issues" invites contributions to unravel the mineralogical and geological intricacies of these ore systems, with the ultimate goals of deciphering genetic processes, offering clues to exploration, and providing indications on environmental impact. Zn-Pb ore deposits embrace a variety of types, including (but not limited to) Mississippi Valley Type (MVT), Sedimentary Exhalative (SEDEX), and Volcanogenic Massive Sulfides (VMS) deposits. They are formed in compressional to extensional geo-tectonic settings, from different fluid types circulating through different lithologies, resulting in a dynamic geological landscape for exploration. These deposits often also contain other valuable metals (e.g., Ag, Au), critical metals (e.g., Ga, Ge, REE), and industrial minerals (e.g., baryte, fluorite).

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About the Journal

Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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